

OSCILLATOR

Oregon Tualatin Valley Amateur Radio Club

March 1997

PRESIDENT'S MESSAGE

By Betty, N7REX

February's meeting was a success thanks to all who participated. There were so many great conversations going on that I hated to have to call the meeting to order. Mary Lou Brown's program was both entertaining and informative. She always has such wonderful stories about the places she visits and the people she meets on her DXpeditions. We are fortunate to have her as our Northwest Director.

Thank you to everyone who brought in wedding pictures. One of our couples brought a picture of their wedding that was over 50 years old. Now that is something to celebrate. Our picture wall is growing. We had the following sweethearts: Chuck, KI7CL and Betty, N7REX; Pat, KA7UFG and Stan, W7NI; Greg, W7AGQ and Loretta; George, KC7LOP and Vicki; Carol and Jack KA7HOJ; Jim, KC7TVY and Sharon; George, N7UJA and Pat N7UUD; Janet, WB7FJC and Ed; Marvel, KA7TZZT and Roger, KA7RNN; and Dale, K7FW and Mary Jo, KB7NJE. Another set of sweethearts celebrated their 48th anniversary with us, Willy, N7DZR and Norma. Greg was the lucky winner of the special drawing.

Our first club social of the year was a modest success with a dozen showing up. A few events beyond our control probably contributed to the light turnout – it was an absolutely gorgeous day for one. Hopefully the next one will be better attended. Those of us who attended had fine food and good conversation. I have to admit though that I OBVIOUSLY wasn't paying attention to all of the conversations – as I retold a joke Al had just finished telling.

We received our notification of ARRL Special Service Club status and I NEED YOUR HELP. Along with the letter was a sticker that I am supposed to put on our certificate. The problem is that I don't know where the certificate is. Does anyone have it, or know where it is located? If so, please let me know by phone at 642-1284, or by packet at N7REX@K7IQI or by e-mail at n7rex@juno.com.

Next month our picture wall will be of people in their ham shacks. I'm looking forward to seeing lots of great pictures, so dust off the camera or find an old photo and bring it in. Again this month there will be a small extra drawing for those who bring pictures to share.

73, Betty N7REX

A MOMENT IN HISTORY

By Alan, KB7POR

In 1955 transistor sales amounted to 3,646,802 units for total sales of \$12,252,741. This is \$3.36 per transistor. Assuming that the Pentium processor contains 5 million transistors it should cost \$16,800,000 and the production would be less than one per year. Who says you can't beat inflation?

NEXT MEETING Wednesday, March 12TH

The Amateur Radio Relay Group (ARRG) will tell us all about their plan to connect to the new Cascadia intertie network. Come and hear the straight scoop!



W7OTV 146.90 (RPTR)

WWW.EASYSTREET.COM/OTVARC

NEW MEMBERS, WELCOME TO OTVARC

By Editor, W7FBP

Since the first of the year, OTVARC has gained four new members. We hope all members will make an effort to welcome our new friends into the group:

Jim Blanchard - KC7RZB
Jim Mockley - KC7TVY
Leo Seitlinger - N6JJQ
Roger Waltz - KC7OEP

OTVARC has a variety of club activities in which all members can become active - we welcome your participation. Copies of the club activities and the membership list are made available at each meeting.

The club newsletter, the *OSCILLATOR*, is mailed to each member and should arrive a few days prior to each monthly meeting. If you are not receiving the newsletter, contact the Secretary or other Officer with that information. The last page of each newsletter contains a listing of the club contacts and a listing of club general information.

NORTHWEST DIRECTOR ELECTED TO EXECUTIVE COMMITTEE

By Editor, W7FBP

Mary Lou Brown, NM7N, ARRL Northwest Division Director, was elected by her colleagues to the Executive Committee at the January 17th, 1997 ARRL Director's meeting in Albuquerque, New Mexico.



Directors who are elected to the Executive Committee have the added responsibility of governing the affairs of the ARRL organization on behalf of the full Board, between regular Board meeting. Election to the EC shows the trust and confidence which other Directors have in a nominee.

At the same meeting, Mary Lou was appointed as one of the four members of the *Elections* committee - another feather in her cap. Congratulations from OTVARC Mary Lou, and good luck.

Even closer to home, long time OTVARC member Greg Milnes, W7AGQ, is Vice Director of the Northwest Division of ARRL, and has been working hard on his WRC99 committee activities.

BETTER TIMES ARE ON THE WAY!

By Editor, W7FBP

Yep, it's true. Ham-wise things are going to get better for us. Those in the know say we have bottomed out and we are on the up-side of the next sun spot cycle. Sure, we are still at the bottom, but now the only way to go is UP! But wait, don't get too excited yet. It will be a long slow improvement until we get back to the "good old days" of five or six years ago. Remember, due to the cyclic nature of sun spots and propagation, nothing happens overnight.

Scientists say Ol Sol is entering a quieter period with fewer tantrums!

The good news is that since we have bottomed out, it can only improve! Scientists at Yale University and the National Aeronautics and Space Administration (NASA) predict that a solar cycle that began in September 1996

might be one of the quietest and least violent in more than 400 years.

Ken Schatten, a researcher at the Goddard Space Flight Center in Greenbelt, Md., said the prediction is based on an analysis of solar magnetic field measurements gathered by solar telescopes in California. He said the findings indicate the solar violence that has marked the past 50 years is decreasing, foretelling years of a cooler, more smoothly shining sun.

Solar cycles, which last about 11 years, are marked by violent eruptions, or sunspots, on the sun's surface. These send powerful waves of solar radiation smashing into the Earth and its magnetic field.

This radiation can drown radio communications, snuff out navigation signals, disrupt satellites and even deplete the ozone layer. The storms also can send surges along power lines, triggering blackouts, or energize pipelines with electrical charges, causing shutdowns.

For amateurs, in addition to the added noise and fading, it can mean that the reflection of our HF signals by the Ionosphere is disrupted and signals disappear into space instead of being reflected back to earth - so there goes our good DXing.

Amateurs can look for slowly improving conditions on HF since the sun is entering a quiet period that astronomers think could mean as much as a decade of mild "space weather," with fewer power blackouts, less radio interference and perhaps slightly cooler Earth temperatures.

So dust off that 10 meter rig and save that old sweater for the cooler weather.

HAD SOME AMATEUR GEAR DISAPPEAR?

By Editor, WORLDRADIO

If someone steals your radio, e-mail the details of the theft to Mark Saunders, KJ7BS. Mark offers a free service to help amateurs whose gear has been lost or stolen. Check out lost or stolen ham gear listings on his Internet home page at <http://www.dancris.com/~tracker/tracker.html>

EVIDENCE OF INTERFERENCE

By Bob, K7QXG

This is the last of a three part series on willful interference and the proper methods of collecting and documenting evidence. We have already reviewed the more common forms of evidence, such as photos, video tapes, audio tapes, and triangulation. This last article will address confrontation of the suspect and Vigilante Justice.

CONFRONTATION: This event can occur deliberately or accidentally. More often than not it occurs accidentally, so there are some precautions you must take if confrontation occurs when triangulating the suspect. Let's address deliberate confrontation first, because it is usually well thought out and may involve the services of an attorney.

If you are certain you have your suspect "cold," it is time to review your collection of evidence and have it evaluated by someone who has had extensive experience in our judicial system, either civil or criminal. That person may inform you that you still need to shore up your case, or he may advise you to contact an attorney. There are numerous good attorneys in the Portland area, so don't rush out and pick the first one listed in the yellow pages.

Talk to your friends, neighbors, relatives and other hams. Have they ever used an attorney? What was their experience? Would they recommend the same one? The Portland Amateur Radio Club or the Clark County Radio Club can give you good referrals.

Deliberate confrontation may consist of a letter from the attorney to the suspect, or it may consist of representatives from your organization approaching the suspect and making a sincere attempt to convince him to abide by the Part 97 Rules.

Let me give you an example of what is *not* okay. Just a few short years ago an individual in Clark County offered to build towers for hams at a very low price. The workmanship was evaluated by an engineer and deemed "very good." A group of Clark County hams ordered a tower, and paid more than \$400 seed money to get the project started. Later, they learned that the tower builder had spent the money and had no intention of constructing the tower.

The group of hams selected three of their biggest, meanest looking members to pay a visit to the suspect. They gave him a choice: "Pay now or we break both your arms." Needles to say the individual paid up on the spot (as the hams drove away, his wife could be heard giving him the holy dickens). This is not a proper confrontation, and should be avoided.

Accidental confrontation occurs when you are triangulating and it leads you to the suspect's driveway. You may find that he has taken notice of your activities and come out of the house to confront you. This is not a good situation, and that is why you should never be alone by the time you reach the front of his residence. At a minimum there should be three of you, with one person acting as recorder. That person should take as many notes as possible – especially statements made by the suspect. Keep it cool and tell the subject that you have pinpointed the signal to his residence. If he is not 100% amiable, leave immediately. Otherwise, keep him talking and let him make statements that he can be held to later on. Thorough documentation of statements, attitude, aggressive posture, etc., should be recorded.

Try all reasonable means possible to convince the suspect to discontinue the interference. If that doesn't work, have your attorney handle the matter. Don't bother with the FCC because it will be a waste of your time.

VIGILANTE JUSTICE: In the section above, we learned of one case of Vigilante Justice that really happened. How many times have you felt like tracking down the jerk who is willfully interfering and teaching him a lesson he will never forget? Bad idea! Today the American population is armed with pistols, rifles and shotguns. The suspect may have a bigger gun than you do! So why make a bad situation worse? This is **NOT** the kind of action we want the members of our ham community to take.

I was recently contacted by a ham who represents a group in Washington. They had suffered grave interference on a particular repeater. They identified the suspect and tried to mediate a solution. The suspect's response was a death threat to the son of the property owner where the repeater was located. That matter has been pretty well resolved now, without littering the hillside with bodies.

The bottom line is that the best solution is deliberate confrontation through a third party, preferably an attorney. Failing that, the next best is a reasonable approach, either by letter to the subject, or in person. Vigilante Justice is never a solution, and leaves the door open for retaliation.

I hope these three articles have provide some sense of what is involved in addressing a suspect. The next time you are quick to accuse the ARRL or the FCC of "Not doin' nothin," ask yourself if they could have done something with the evidence you presented them.

A WILD "FIFTH WEDNESDAY" CONTEST ON JANUARY 29TH

By Alan, KB7POR

This was a wild one. I counted 23 call signs on the air. One of them shows an address of Toppenish, WA. Those tricky little RF waves may go just about anywhere. Usually there is a lull in the noise and chaos for a little while about 30 to 40 minutes into the event. Not this time. It was non-stop.

A couple of us had hoped to broadcast a QST in the middle of the contest announcing a surprise prize for the first 12 log sheets turned in. I think a few people heard the announcement. At least one planned to be in that group, the log sheet arrive on my fax machine by 10:30 that evening.

I ran a quick calculation. For each of the 23 stations involved to talk to every other station, each exchange would have to take less than 14 seconds. Now there is a challenge for all you prospective net controllers.

By the time you read this the deadline for log sheets will be passed. The awards will be handed out at the March meeting along with the surprise prizes (unless AAAAADH over-rules me and hands them out in February (*Ed-he didn't*)). The next contest will be in April, bringing us back to where we started a year ago with the April Fools contest.

READERS NEEDED BY HANDI-HAMS

From WORLDRADIO, via HANDI-HAMS

The Courage HANDI-HAMS Center needs volunteer readers to record Amateur Radio books and publications on audio tape. Volunteer readers provide a valuable service to persons with severe physical disabilities and sensory impairments who cannot use regular printed books.

Volunteers should hold an Amateur Radio license and be familiar with hobby terms and expressions. A clear speaking voice and the ability to read the written text of Amateur Radio books and describe the diagrams and pictures are essential.

This volunteer work can be done at home and at your own pace as long as there is a quiet place to read. For more information please contact:

Courage HANDI-HAMS System
3915 Golden Valley Rd.
Golden Valley, MN 55422
612-520-0515
handiham@mtn.org

FCC PLANS ON TAKING MORE AMATEUR FREQUENCIES

From ARRL

The FCC has released a plan outlining how 300 MHz of radio spectrum will be made available for Unlicensed National Information Infrastructure (U-NII) devices to provide short range, high speed wireless digital communication. The plan was initiated by petition from Apple Computer and WINForum.

While there appears to be no significant adverse impact on amateur use of the effected bands, *the interference potential is still untested*

FCC Commissioner Susan Ness, said the new plan contains the potential to create US Leadership in a new world of high-tech digital wireless products. "As a result, wireless local area networks (LANs) and other equipment can now be developed to connect our computers, laptops, and personal digital assistants (PDAs) to each other, to the Internet of today, and to the global information infrastructure of tomorrow."

The U-NII spectrum is to be located at 5.15 to 5.35 GHz and 5.725 to 5.825 GHz, cutting into the amateur band at 5.650 to 5.925 GHz. The FCC has imposed power limits of 200 mW EIRP, 1 W EIRP and 4 W EIRP for the above listed segments. The ARRL has filed comments opposing any long-range operation of Part 15 devices in the new bands.

BORSCH ELECTRONICS

Communications Servicing

9935 S.W. Johnson St.
Tigard, OR 97223

Joe Borsch W7PNS

(503) 684-5201

Buy

• Sell

• Trade

HAM RADIO EQUIPMENT

<http://www.teleport.com/~hre/>

JOSEPH REAVES
N6FRA

HAM RADIO STORE
13815-C S.W. Pacific Hwy
Tigard, OR 97223

(503) 598-4736
Estate Appraisal

PERSONALITIES IN PUBLIC SERVICE - PART 2 THE DOG

By Randy, KZ7T

Ed- Randy's first article was in the January issue of the Oscillator. He is sharing with us some of the unusual happenings which have taken place on the week long Cycle Oregon bicycle tour which has 2,000+ riders out on the back roads, and paved logging roads, every year in mid September. The incident described here occurred in the southern Oregon Cascades, east of Azalea, (midway between Roseburg and Grants Pass) some four years ago.

First, I will explain what a Bear Dog is, or at least as much as I know. They are a special breed that hunt Bear and Cougar. When they are on the trail of a Bear or Cougar, or have one treed, they continually bark and howl to let their handlers know where they are.

The dog that I am going to tell you about was supposed to be a pet. The woman that owned her told me that. She said that every day she would let her out and the dog would take off hunting.

The owners of these dogs take them out to a selected area and turn the dogs loose. The dogs take off running, searching for a Bear or Cougar scent. If the dogs don't find an animal, they are trained to find a road and lay along side it, until their master finds them.

They are all equipped with radio collars so they can be DFed. If you are ever in the southern Oregon area on the back woods or logging roads, you may see one of these dogs along the road.

On Cycle Oregon @#% a Bear dog was running along with the Cyclists up near the top of the mountain. I had a bad cut on it's hind quarter and both eyes were covered with pus. A Medic with one of the ambulances caught the dog, and a Doctor who was with that ambulance, took it into the ambulance and fixed it up as well as she could.

I was sitting at a turnout near the summit doing my usual communications thing not to far from the road on this day, and the ambulance transported the dog up the road to me for rest and recuperation. She was thirsty and hungry, so I gave her water and all the food I had.

Then I realized that I hadn't saved anything for myself to eat that day. Oh well. A lot of the cyclists would stop and give the poor dog loose. I told a Medic what I was doing and he became very upset as he wanted me to bring her to finish. I felt that it was better to leave her there for the people who might be looking for her, and besides I didn't have any room for her in the back. As I was putting things away in the back I noticed that the dog had

disappeared. But, I was wrong - when I went up front I found that the dog had climbed into the front of the pickup and was waiting for me. She was laying all over my books and gear. She really put up a fight when I tried to get her out. I guess she decided that I was a good thing and she was going to go with me.

I finally got her out and found a phone number on her collar. When I got to Butte Falls in late afternoon, I called that number and talked to a woman who was the dog's owner. When I told her that I had found the dog, she began to cry with joy. She told me they would go up that night and find her.

She told me they had asked the local radio station to make an announcement about the lost dog, and that there was a reward for her. She wanted to know where she could send the reward and I told her to take the money and get the dog's injuries fixed up.

I called back the next morning and found out they had found the dog at 3AM. I have a hard time understanding how a person could love a dog so much and still treat it that way. Until the next time - KZ7T.

DEETH & ASSOCIATES

- * Telecommunications
- * Cellular Phones & Accessories
- * Security Systems

(503) 324-3737

Ray Deeth

Dale Wert

(800) 723-3737

180 So. Main (#C)

Banks, Oregon 97100

THE CLASSIFIEDS

By W7OTV

FOR SALE - Henry 2KD Amplifier. New and never used. 1200 watts PEP. Covers 80 thru 10 meters, all modes (AM- FM-CW-RTTY-SSB-PULSE). 40% discount from retail. For information call Jack, N7CXX, at 503-682-7898 or 1-800-835-4895.

FOR SALE - PK232 MBX TNC, with PAKRAT II program, cables and manual. Asking \$195 or best offer. Call Ira, KF7QS, at 244-3070.

FOR SALE - TRS80, Model 100 computer, with cables and manual. Asking \$95 or best offer. Call Ira, KF7QS at 244-3070.

FOR SALE - VHF Signal Generator, HP Model 608C. \$100. Also Test Oscillator, HP Model 650A at \$100. Contact Dale **SOLD** Mosby, K7FW, at 640-0217.

YOUR BATTERIES AND "THE BIG ONE"

By Alan, KB7POR

It's happened. The Big One has hit. You are doing OK. Your house is still standing. Yeah, the power is off, the gas is off, the water is off, and the phones are out. You planned ahead. You have your 72 hour kit and you still have a roof over your head.

Uh Oh!! You are trapped in your neighborhood. The bridge across the creek is gone and the back road got wiped out by a big slide. You and your 483 neighbors are trapped. Several of them have severe damage to their homes, and a number of them are injured, some seriously. Your neighbors know that you are a ham. They come to you looking for help. Are you ready?

You bet you are. You have your trusty HT and a fully charged battery pack. You get on the air and look for someone at the local EOC to call. We are all set, right? Maybe. Remember, the guide lines suggest that you cannot expect much help from outside for at least 72 hours - it could be a lot longer. My HT has a problem with this. With the stock battery from the factory I am good for 9 minutes of transmitting or 65 minutes of listening. That's it, game over.

I could stretch it a little by running on low power, but this probably won't get through to the EOC on simplex. (Oops, all the repeaters are down, too). Looks like we better get all our calling for help done real quick before the battery dies. (Of course you could have planned ahead and bought 50 battery packs at \$25 each.)

There is a little help in the form of larger battery packs. The biggest one I can get has a rating of 1.4 Amp-Hrs. This will give me 45 minutes of high power transmitting or 5.5 hours of listening. This is better, but it is going to take a lot of planning to stretch this out for 72 hours. It is still a little spendy to buy enough to get us through the next 3 days.

Alkaline batteries can really help to fill in here. Most HTs can be fitted with a battery holder that you can fill with alkaline cells. These are inexpensive to buy and they keep for a long time in the freezer (Just remember to bring them to room temperature before you use them.) They also have a lot more capacity than the same size NiCad. For the sake of argument, let's say they have twice the capacity - this means that my alkaline pack will let me talk for 1.5 hours or listen for 11 hours. Given time for sleeping and doing other non-radio things this will probably get us through the first day.

We only need to make two battery changes and we have made it through the 72 hours. I sure hope they get a big bulldozer and open that back road soon. Another option is a large deep-cycle lead acid battery. These are also known as RV batteries. The one I have is rated at 105 Amp-Hrs. With my HT hooked up to this, it should be able to talk for 58 hours or listen to someone else talk for 420 hours. I think the finals in the HT will melt down if I try

to talk for 58 straight hours. This looks like a good option, just in case they do not find the big bulldozer to open that road quickly. Even if I have to use my 50 watt mobile to get through to the EOC, I can still talk for 10 hours or listen for 150 hours. This all looks good, but how do I keep this RV battery ready to use with a full charge, and not over-charge it so I ruin it?

This will be the subject of further discussion. Later this year a project night (or after-noon, or weekend) will be held to construct a kit battery charger to achieve this objective.

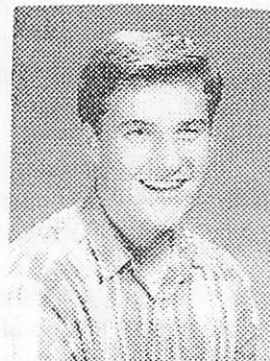
Technical Comment: The times and battery ratings are for two of the radios that I have. Your batteries and radios will have somewhat different ratings and operating times. I have used the simplistic approach of using the Amp-Hr ratings and dividing by the current draw of the radio. This is not particularly accurate, as battery capacity changes for different rates of discharge. I think the numbers are still close enough to give you the idea of about how much battery you may need to ride out a major disaster.

GREETINGS FROM A FORMER MEMBER

By Janet, WB7FJC

Ed. - Janet received a greeting card from Ray Stein, N7RET, at the end of '96. She thought that those in the club who knew him would like to see what he had to say.....

Hi Janet,
I'm working in the Seattle area now. My work is in Electro-Magnetic Compliance. We certify commercial products to pass the FCC laws and European laws. I am still enjoying Ham Radio and believe it will lead me to my new job. I am also volunteering my time for King County Search and Rescue. -- Ray



JANUARY BOARD MEETING

By Secty, Dale, W7FBP

Abbreviated Minutes of the 1-22-97 Board Meeting

1. Attendees were: Betty Mickley, Jim Schaeffer, Hanford VanNess, Dale LeBarron, Jack Smithson, Janet Bell, Will Sheffield, Stan Griffiths, Chuck Mickley, Alan Chinnock, and Carl Clawson.

2. Jim and Stan will work on setting up the Outdoor RxR and Model RxR programs for later this year.

(Continued on page 7)

(Continued from Page 6)

3. Viewed and discussed the QSL like postcard being sent to new hams in the area.

4. Jim reported that Mary Lou Brown has confirmed for the February meeting.

5. Al discussed providing startup money to SeaPac for the first printing and mailing. It will be done.

6. Treasurer will begin to provide monthly reports to the Board using the Quick Books financial program.

7. Discussed beginning a budgeting process.

8. Carl gave a rundown on the Scholarship fund and the changes to it. Board agreed to provide \$40 to \$50 for printing of forms. Motion passed to provide a \$1,000 scholarship this year.

9. Betty noted that it was time to begin the process of purchasing and donating Amateur Radio licensing books to the area schools.

10. The annual Special Services Club renewal request listing the clubs activities was reviewed and accepted.

RADIOSPORTS GAMES TO BE HELD IN JAPAN

By Dale, K7FW

The *Friendship Amateur Radio Society, Inc., USA* has just announced the Fifth Annual Radiosports Games (FRG-97), to be hosted by FARS Japan, in the Kanagawa Prefecture, August 18-25.

The United States may send a ten-member delegation. As in the past, competitions will be held in HF contesting, CW (sending/receiving/pileup) and the foxhunt. There will also be entertainment, tours, banquets, and plenty of camaraderie.

We have received short notice from our Japanese brethren - they desire a roster of our delegates no later than March 31, 1997. While FARS USA will endeavor to meet that deadline, we wish to encourage as many applications as possible from our past competitors, supporters, members, and friends, in order that we may expand the FARS International experience and also recapture the traveling trophy (won by the USA in 1991, but held by the Russians since).

We are informed that FARS Japan will provide hotel lodging, transportation and meals for the seven-night, eight-day stay, for \$950 (US). This is a very good rate for hotel accommodations in Japan. We are working with Team Canada to obtain the lowest group airfare. A huge Hamfair will coincide with FRG-97, on August 22-24. Delegates will have the choice of attending the

ham fair, or going to Tokyo Disneyland. A side trip to the Akihabara (big electronics retail district) is also planned (ever been to a four-story ham radio store before?). Depending upon the number of competitors in the Team USA, family members are invited, so this can be a real family vacation in a foreign country.

Handouts will be available at the March 12th OTVARC meeting, and a short discussion with answers to questions will take place. For those people who would like information prior to the OTVARC meeting (or can't make the meeting), call Dale Mosby at 640-0217, or send a card or letter to **FARS TEAM USA, PO BOX 13344, Portland, OR 97213** or send an e-mail to dale@sequent.com. If you are familiar with the Radiosport activities, you may make application instead of asking for information at the above contacts.

REMEMBER, if you desire to represent TEAM USA we need to hear from you as soon as possible. Application is not on a first come, first serve basis, but March 31st is not very far down the calendar!

ROHN Towers

- *New 25 and 45 in stock locally*
- *Gin Pole available for customer use*
- *prices competitive with mail order*

Stan Griffiths, W7NI
18955 S.W. Blanton St.
Aloha, OR 97007-1230

Internet: W7NI@teleport.com
Phone: (503) 649-0937
FAX: (503) 591-1620

AZDEN RADIOS

2-METER AND 6-METER MOBILES IN STOCK

Call: Jack - N7CXX in Wilsonville

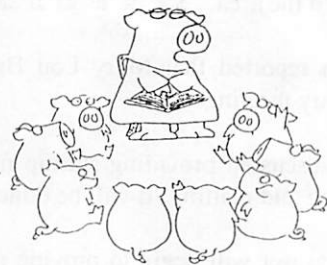
Local Phone - Information (503) 682-7898
Orders only please - - 1-800-835-4895

EXTRA! EXTRA! EDITOR APOLOGIZES!

The second section of the listing of all the various activities which are enjoyed by the club members didn't make it into this issue as promised in last months newsletter. Each section takes up a complete page, and so it was held back due to lack of space. Too many pages in the newsletter means higher postage costs. It will be in next months newsletter. Sorry. Dale.

NEW HAM CLASSES OFFERED BY PCC

Classes for new hams will again be offered by PCC for Spring term 1997 at Sunset High School, 13840 NW Cornell Rd. Beaverton, Oregon. The classes begin on Tuesday, April 1st, and continue through June 3rd, and meet each Tuesday night from 7-9 PM. The cost is \$53. The course number is 28841. The PCC Registrar's Office phone number is 977-4933 for further information or registration.



MEMORANDUM OREGON STATE POLICE EMERGENCY MANAGEMENT DIVISION

DATE: February 18, 1997

TO: Local Emergency Managers
ARES/RACES Members

FROM: Kelly Jo Jensen, CEM
Exercise Training Officer
Plans and Training Section



SUBJECT: TRAINING OPPORTUNITY - ARES/RACES
WORKSHOP

This agency will conduct the Workshop in Emergency Management: Amateur Radio Resources on Saturday, May 10, 1997, in Newport. Instructors will be members of the Oregon ARES/RACES Organization; Oregon Emergency Management; and local emergency managers.

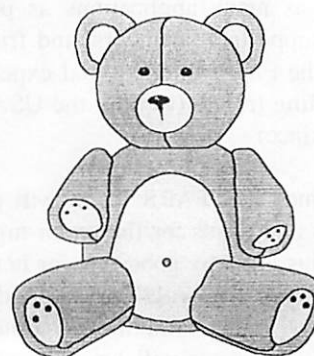
The course will discuss areas such as the roles and responsibilities of the ARES/RACES Program in Oregon; utilization of ARES/RACES by local government; local and State government expectations; and a general overview of the Incident Command System.

The target audience for this one day workshop is ARES/RACES Area Coordinators and their Assistants. However, local emergency managers and other ARES/RACES staff are also welcome. Please ensure this information is shared with your local ARES/RACES personnel. There is a limit of 40 attendees.

Please have interested personnel complete a FEMA form 75-5, General Admissions Application Form, and return to this office no later than Friday, April 18th. We will not be able to accept any applications after this date. Acceptance letters with logistical information will be sent to those applicants selected to attend. There is no lodging assistance available for this course.

If you have any questions, please contact Lew Williams or Marty McKillip via ARES/RACES modes, or Kelly Jo Jensen at 503-378-2911, ext. 246, or E-mail to kjensen@oem.state.or.us

Submitted by Bill Merwin K7BKS
(AKA Bears Keep Smiling)





Your ARRL Membership Benefits

QST, our monthly membership journal is simply **THE SOURCE** for news and information on any topic that's part of, or relates to, Amateur Radio. Whether you're interested in contesting, DXing, or radios, accessories and antennas you can build at home, **QST** covers them all. And there's more: New trends and the latest technology, fiction, humor, news, club activities, rules and regulations, special events, packet radio, and much more.

In addition, you'll have access to our: Technical Information Service, Ham Radio Equipment Insurance Program, Outgoing QSL Service, ARRL Field Organization and Operating Awards programs.

Lastly, your ARRL membership helps fund the following invaluable services. You may use one or two of these services during your membership, or you might take advantage of them all. As an ARRL member you insure their existence and continuation.

- | | |
|--|---|
| • Representation of your interests in Washington | • Volunteer Examiner Coordinator program |
| • Regulatory Information Department, providing information on: | • Amateur Radio Emergency Service |
| FCC/regulatory questions | • Registered Amateur Radio Instructor program |
| Antenna/tower/zoning restriction problems | • WIAW code practice, bulletins and code proficiency sessions |
| Reciprocal licensing procedures | • ARRL sponsored contests. |
| Volunteer Counsel Program | |

ARRL Membership dues are \$31.00 worldwide. To compensate for additional postage for mailing **QST** outside the US please remit \$44.00* for other countries. Please begin (renew) my ARRL membership with the _____ issue.

☐ Documentation that I am 65 or older is enclosed. I'm requesting membership at the \$25 special dues rate (US only). Persons age 21 and younger may qualify for special rates. Write for application.

Name _____ Call _____

Address _____

City _____ State _____ Zip _____



To enroll by telephone, call 860-594-0200, fax 860-594-0303
VISA, MC, DISCOVER and AMEX accepted.

WE97

Membership and **QST** cannot be separated. For postal purposes, fifty percent of dues is allocated to **QST**, the balance for membership. Please allow at least 6 weeks for membership-subscription to begin.

WORLD RADIO, January 1997

In reading through a newsletter I came across the following: "... it is known that the League ham membership is less than 25% of the total, licensed, ham population of the nation! How can the League speak authoritatively (*sic*) for the 75% that aren't members?"

There is an easy answer to that. First, it is generally agreed that at least half of the amateurs listed in the FCC database do not have an amateur station. Their interest has diminished, they are not active and it is unlikely they will ever return.

Another group of licensees are the "get some bread on the way home, Dear" amateurs. They found a way for inter-family communication and ignore the entire gamut of other Amateur Radio activities.

Then there are those who say, "I don't join anything," no matter what it is or how beneficial it can be. There are the retired (on a fixed income) who sincerely believe that the expenditure of 50 cents a week will be injurious to their standard of living.

After a quarter century of looking closely at (and reporting on) Amateur

Radio and its issues, I'd say that at the very least 75% of the active, on-air, truly interested and dedicated amateurs are ARRL members.

Leaving aside, for a moment, the many great benefits of League membership, let us just look at only one reason. If the ARRL were not in Washington, DC in their highly professional manner, there would be a void. Stepping into that void would be certain parties who desire to represent Amateur Radio, but after a few short minutes would be laughed out of the room.

—Armond, N6WR



OTVARC TRAVELERS MARCH CAMPOUT

CAPE KIWANDA

MARCH 14-15-16

Come on out and enjoy a fun weekend with us. Horseshoes, games, a great beach and a yummy Saturday pot-luck makes this outing a good one to get in on. Call Geno at 614-0563 so he can reserve a site for you. Spaces for tents are available! CU??

SWAP MEET

MAY 10, 1997

Northwest Vintage Radio Society and Portland Amateur Radio Club

Talkin Frequency 146.84 (-600), Simplex 145.73

TIME: 9:00am to 3:00pm

Where: Hillsboro Armory
Washington CO. Fairgrounds

Admission: ONLY \$2.00 at the door

Tables: \$10.00 Limited so sign up soon.
Sellers in Friday night and at 7:00 am Sat.

VE Testing: Pre register for the 9:00am session
Walkins Welcome at the 12:00 Session
Contact Greg KK7GN at 360-576-1989
or Email gregn@teleport.com
Before May 3rd

Commercial Displays

Door Prizes

Refreshments

RV Overnight parking \$10w/hookup & \$5 w/o
Pay in advance by April 25th

For information and preregister contact Kirk KB7EGK 503-786-5142 or email kirk.c.smith@tek.com
or Myron White 503-629-5513

OTVARC Club Contacts

OTVARC Executive Board

President	Betty Mickley	N7REX	642-1284
Vice President	Jim Schaeffer	KB7ADH	245-2518
Secretary	Dale LeBarron	W7FBP	638-7768
Treasurer	Hanford Van Ness	KE7BB	246-7975
Trustee	Jack Smithson	KA7HOJ	646-1873
Trustee	Will Sheffield	N7THL	642-7314
Trustee	Janet Bell	WB7FJC	648-4147
Trustee	Al Berg	WB7SIC	640-5456
Trustee	Stan Griffiths	W7NI	649-0837

Other Club Contacts

ARRL Coordinator	Bob Orr	WF7Q	472-2716
Bunny Hunting	OPEN		
Contesting	OPEN		
DX News	Rich Jones	KG7FS	645-9417
Equipment Valuation	Randy Stimson	KZ7T	297-1175
Equipment Trustee	Al Berg	WB7SIC	640-5456
Emergency Services	J.D. Fort	KC7EHT	629-8050
Field Day	Carl Clawson	WS7L	629-5796
Health & Welfare	Mary Berg	N7TRW	640-5456
Historian	Al Berg	WB7SIC	640-5456
Member Badges	Carl Clawson	WS7L	629-5796
Newsletter Editor	Dale LeBarron	W7FBP	638-7768
Newsletter Layout	Dale LeBarron	W7FBP	638-7768
Newsletter Distribution	Al Berg	WB7SIC	640-5456
Nominating Committee	OPEN		
Packet - Club BBS	Rick Braun	KB7OGD	645-1490
Project Night	Alan Chinnock	KB7POR	636-2237
	Chuck Mickley	KI7CL	652-1284
Public Relations	Bill Merwin	N7VZF	644-1974
Public Service	Randy Stimson	KZ7T	297-1175
Repeater	Wes Allen	K7WWG	649-3295
RFI & TVI	Dale Mosby	K7FW	640-0217
Satellites	Dick Emmel	W7KJZ	245-1928
Scholarship	Carl Clawson	WS7L	629-5796
Sea-Pac	Al Berg	WB7SIC	640-5456
	Brad Beach	N7NVC	657-1781
	Jim Schaeffer	KB7ADH	245-2518
	Randy Stimson	KZ7T	297-1175
Technical Specialist	Stan Griffiths	W7NI	649-0837
Tower Ordinances	Greg Milnes	W7AGQ	648-6990
Trailer	Dee Lynch	KA7NPN	646-4580
Training(code)	Burt Rooke	KI7JX	241-2891
Training(Novice/Tech)	Burt Rooke	KI7JX	241-2891
Training(upgrade)	OPEN		
VE Test Group	Gerry Villhauer	WA0UCQ	693-7222
VHF/UHF	Arnold Jensen	N7YAG	543-3713

OTVARC Club Information

Purpose: The Oregon Tualatin Valley Amateur Radio Club, a Not-for-profit corporation, wants to be instrumental in helping the prospective as well as established Amateur to become a proficient communicator in the Amateur Radio Service.

Additionally, the intent is to promote the advancement of Amateur Radio Service, through the following five objectives:

1. Education & Training of new and licensed Amateurs.
2. Public Service during public events & community activities.
3. Emergency communications during emergencies & disasters.
4. Hobby enhancement through meetings, nets & contests.
5. Social contact with other amateurs & interested persons.

Special Service Club: OTVARC is an ARRL Special Service Club. The ARRL grants us this distinction due to our participation in emergency preparedness exercises, public service events and other service-oriented programs. In addition, continuing educational and training programs are conducted for FCC licenses. OTVARC benefits from you joining the ARRL through OTVARC. To join or renew your membership in the ARRL, contact the treasurer at any regular meeting.

Newsletter: The *OTVARC Oscillator* is the club newsletter. It is published monthly and is usually mailed on the first of the month. The opinions, views, and recommendations of its contributors are not necessarily those of the club, its officers, advertisers or the editorial staff.

Correspondence: All correspondence may be sent to OTVARC, PO Box 5132, Aloha, OR 97006-0132.

Advertising: Classified ads are free to all paid up members. Display ads are available to approved commercial interests. To place an ad, mail your camera ready copy to the address above and indicate the size desired. All display ads run for six months at a time, from January through June and July through December. All ads must be paid for in advance. Rates for 1994 are as follows:

Full page	8" X 10"	\$200 for six months
Half page	8" X 5"	\$125 for six months
Qtr page	4" X 5"	\$75 for six months
Bus.Card	2" X 3"	\$35 for six months

Meetings: We have two meetings per month. The board meeting is on the fourth Wednesday of each month. All club business is conducted at this meeting. All members are welcome to attend. Contact the President for location and time. The general meeting is on the second Wednesday of each month at the Beaverton Elks Lodge, 3500 SW 104th Ave. (1 block north of Canyon Road). Meetings start at 7PM. If you would like to come early, you can get a nice meal from the Elks for less than \$6.00.

Membership: OTVARC is open to anyone who is interested in amateur radio. You do not need to be a licensed radio amateur to join. Dues are as follows: Full member, \$10/yr; Associate member (non-licensed), \$10/yr; Family members of full member, \$5/yr; Life memberships available - see the Treasurer. Only full members and life members may vote on club business and serve as club officers. All memberships expire on the last day of the calendar year. If you would like to join during the year, see the club treasurer for prorated dues.

How to join: Simply mail the Membership application and/or renewal form along with your dues to the address above.

Internet Home Page: WWW.EASYSTREET.COM/OTVARC

WORLDWIDE DISTRIBUTION



Earl Reinoehl
Manager
KE7OA

11705 S.W. Pacific Hwy
Portland, OR 97223
(503) 598-0555, 1-800-854-6046
Fax (503) 684-0469

ANAHEIM, CA • ATLANTA, GA • DENVER, CO • NEW CASTLE, DE
OAKLAND, CA • PHOENIX, AZ • PORTLAND, OR • SALEM, NH
SAN DIEGO, CA • SUNNYVALE, CA • VAN NUYS, CA • WOODBRIDGE, VA

Flea Market Table Renters Please Note:

SeaPac Flea Market is a service to those with used ham gear to sell or trade. Table renters with new equipment on their tables may be asked to remove the new equipment if a Commercial (Main Floor Booth) Exhibitor objects.

PLEASE ALLOW 4 WEEKS FOR RECEIPT OF TICKETS

MAKE CHECKS
PAYABLE TO:
SEA•PAC

REGISTRATION

Mail To: SEAPAC, Box 219142, Portland, OR 97225-9142

No. _____
Office Use Only

_____ Registrations at \$6.00 ea. (\$8.00 at the door) \$ _____
 _____ Teens Convention Registration at \$2.00 ea. (No Awards) .. \$ _____
 _____ Children 12 and under FREE
 _____ Used Equipment Flea Market Tables (No Dealer Sales) \$ _____
 (\$14 per table per day or \$20 per table for 2 days)
 _____ Saturday YLRL Lunch at \$12.00 (50 person limit) \$ _____
 _____ Saturday QCWA Lunch At \$12.00 (75 person limit) .. \$ _____
 _____ Saturday Banquet Salmon Dinner at \$20.00 \$ _____
 _____ Saturday Banquet Prime Rib Dinner at \$20.00 \$ _____
 300 Person Limit
Total \$ _____

*NOTE: Flea Market Participants must
be registered for the convention*

*Registration Questions
Brad 503-657-1781*

Name _____ Call Sign _____

Address _____

City _____ State _____ Zip _____ Phone _____

ⓈNICKNAME & CALL SIGN FOR REGISTRATION BADGE (Please Indicate Children: (C) Please Print)Ⓢ

OTVARC

OREGON TUALATIN VALLEY A.R.C.

PO Box 5132

ALOHA, OR 97006-0132

ADDRESS CORRECTION REQUESTED

